

What is claimed is:

1. A method of editing a bitstream carrying video data indicative of a video sequence, wherein the video data comprises residual data in the video sequence, said
5 method comprising:
 obtaining the residual data from the bitstream; and
 modifying the residual data for providing further data in a modified bitstream in order to achieve a video effect.
- 10 2. The method of claim 1, wherein said modifying is carried out in a transform domain.
3. The method of claim 1, wherein the residual data is indicative of residual error data.
- 15 4. The method of claim 1, wherein the bitstream comprises a compressed bitstream, and said modifying is carried out on the compressed bitstream.
5. The method of claim 1, wherein the residual data is indicative of transformed
20 residual error data.
6. The method of claim 1, wherein the residual data is indicative of quantized, transformed residual error data.
- 25 7. The method of claim 1, wherein the residual data is indicative of coded, quantized, transformed residual error data.
8. The method of claim 1, wherein the video effect comprises an effect of fade-in to a color.
- 30 9. The method of claim 8, wherein the color is black.

10. The method of claim 8, wherein the color is white.

11. The method of claim 1, wherein the video effect comprises an effect of fade-in from one color to another color.

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12. The method of claim 1, wherein the video effect comprises an effect of fade-in from color components in color video frames to color components in monochrome video frames.

10 13. A video editing device for use in editing a bitstream carrying video data indicative of a video sequence, wherein the video data comprises residual data in the video sequence, said device comprising:

a first module for obtaining an error signal indicative of the residual data in transform domain from the bitstream;

15 a second module, responsive to the error signal, for combining editing data indicative of an editing effect with the error signal for providing a modified bitstream.

14. The editing device of claim 13, wherein the bitstream comprises a compressed bitstream, and the first module comprises an inverse quantization module for providing a plurality of transform coefficients containing the residual data.

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15. The editing device of claim 14, wherein the editing data is applied to the transform coefficients for providing a plurality of edited transform coefficients in the compressed domain.

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16. The editing device of claim 15, wherein the second module combines further editing data to the edited transform coefficients for achieving a further editing effect.

17. The editing device of claim 13, wherein the bitstream comprises a plurality of quantization parameters containing residual data so as to allow the editing data to be combined with the quantization parameters for providing the modified bitstream.

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18. An electronic device comprising
a first module, responsive to video data indicative of a video sequence, for
providing a bitstream indicative of the video data, wherein the video data comprises
residual data; and

5 a second module, responsive to the bitstream, for combining editing data
indicative of an editing effect with the error signal in transform domain for providing a
modified bitstream.

19. The electronic device of claim 18, wherein the bitstream comprises a compressed
10 bitstream, and the second module comprises an inverse quantization module for providing
a plurality of transform coefficients comprising the error data.

20. The electronic device of claim 19, wherein the editing data is applied to the
transform coefficients for providing a plurality of edited transform coefficients in the
15 compressed domain.

21. The electronic device of claim 20, wherein the second module further comprises a
combining module for combining further editing data to the edited transform coefficients
for achieving a further editing effect.

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22. The electronic device of claim 18, further comprising an electronic camera for
providing a signal indicative of the video data.

23. The electronic device of claim 18, further comprising a receiver for receiving a
25 signal indicative of the video data.

24. The electronic device of claim 18, further comprising a decoder, responsive to the
modified bitstream, for providing a video signal indicative of decoded video.

30 25. The electronic device of claim 18, further comprising a storage medium for
storing a video signal indicative of the modified bitstream.

26. The electronic device of claim 18, further comprising a transmitter for transmitting the modified bitstream.

27. A software program for use in a video editing device for editing a bitstream carrying video data indicative of a video sequence in order to achieve a video effect, wherein the video data comprises residual data in the video sequence, said software program comprising:

a first code for providing editing data indicative of the video effect; and

a second code for applying the editing data to the residual data in a transform domain for providing further data in the bitstream.

28. The software program of claim 27, wherein the second code comprises a multiplication operation for applying the editing data to the residual data.

29. The software program of claim 27, wherein the second code comprises a summing operation for applying the editing data to the residual data.

30. The software program of claim 27, wherein the editing data comprises first editing data and second editing data, and wherein the second code comprises

a multiplication operation for applying the first editing data to the residual data for providing edited residual data; and

a summing operation for applying the second editing data to the edited residual data for providing the further data.

31. The software program of claim 27, wherein the video effect comprises an effect of fade-in to a color.

32. The software program of claim 27, wherein the video effect comprises an effect of fade-in from one color to another color.